

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
19 February 2009 (19.02.2009)

PCT

(10) International Publication Number  
**WO 2009/021304 A2**

(51) International Patent Classification: **Not classified**

(74) Agent: SANTOS, Liane Pinheiro; Estrada do Mucuiaba,  
1955 c/18, Vargem Grande - RJ/RJ, 22785-150 (BR).

(21) International Application Number:

PCT/BR2008/000245

(22) International Filing Date: 15 August 2008 (15.08.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

MU8701672-9 16 August 2007 (16.08.2007) BR

(71) Applicant (for all designated States except US): **SILVA, Marcos Paulo A.** [BR/BR]; Av. Salvador Allender, 6700/134, Receira - RJ/RJ, 22.780-160 (BR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SIMÕES, Aline Oliveira** [BR/BR]; Av. Salva Allender, 6700/134, Recreio - RJ/RJ, 22780-160 (BR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

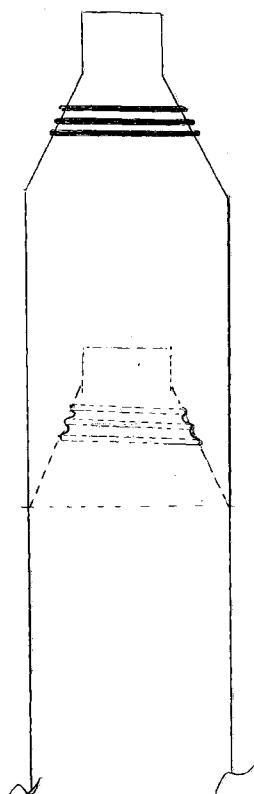
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,

[Continued on next page]

(54) Title: CYLINDRICAL CONTAINER WITH TWIST TYPE CONNECTOR

Fig. B(2)

(57) Abstract: This Patent request refers to a new concept on storage of two different liquid containers, placing threads close to the lid of one container and at the bottom of it, allowing the attachment of two containers by a twist motion between them.



WO 2009/021304 A2



NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG,  
CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— *without international search report and to be republished  
upon receipt of that report*

**Declaration under Rule 4.17:**

— *of inventorship (Rule 4.17(iv))*

## CYLINDRICAL CONTAINER WITH TWIST TYPE CONNECTOR.

This Patent CYLINDRICAL CONTAINER WITH TWIST TYPE CONNECTOR refers to a new type of container for liquid storage, that provides more efficient storage possibilities and better business/consumers logistics.

This Patent is a new and efficient form of plastic ( or similar ) container for liquid ( material ) storage

allowing it to store two different contents, facilitation the combination of contents according to the consumer needs.

This Patent has as main characteristic twist type connector on the upper part of the bottom part of the same container ( fig.01 ), ( both with the same diameter ), where the second container will be attached to in twist motion allowing of both as one piece container.

The concept of this patent as is to allow the storage combination a two distincts liquids, flavors or essences according to the consumer needs.

This two piece container type will allow the combination of one product of good sale potencial with another of less,

in this form of attached containers, not interfering with it's way of production.

This Patent has two advantage of not interfering with the current ways of production, storage or manufacturing of this containers, since only small adjustment on the existing industrial tools would be needed.

This Patent has as main characteristic twist type connector on the upper part of the bottom part of the same container ( fig. A ), ( both with the same diameter ), where the second container will be attached to in a twist motion allowing the handling of both as one piece container.

On the top part of the container a trend will be placed and also in the bottom part of the same container allowing a second container to be attached to the first one. It is important to observe that the bottom connector depth ( ? ) have a  $\frac{1}{3}$  of the total container height, so will not interfere with it's transport and storage.

## CLAIM

1 - "CYLINDRICAL CONTAINER WITH TWIST CONNECTOR" - Characterized by twist connector placed near it's lid;

2 - "CYLINDRICAL CONTAINER WITH TWIST CONNECTOR"- Characterized by twist connector placed in the internal wall of the bottom of the container;

3 - "CYLINDRICAL CONTAINER WITH TWIST CONNECTOR"- Characterized by a space in the bottom of the container allowing a second one to be conected to it in a twist motion;

4 - "CYLINDRICAL CONTAINER WITH TWIST CONNECTOR"- Characterized by allowing the combination of 2 liquid products in attached containers.

FIG. 01

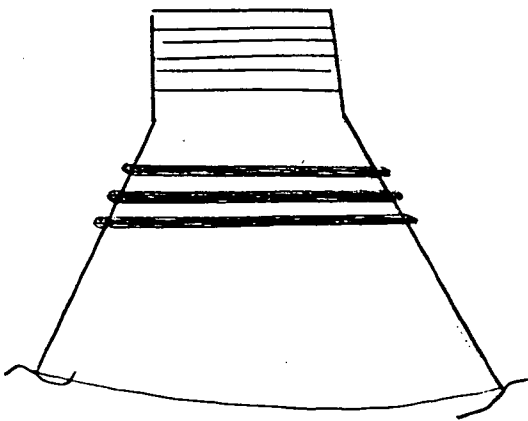


FIG. A

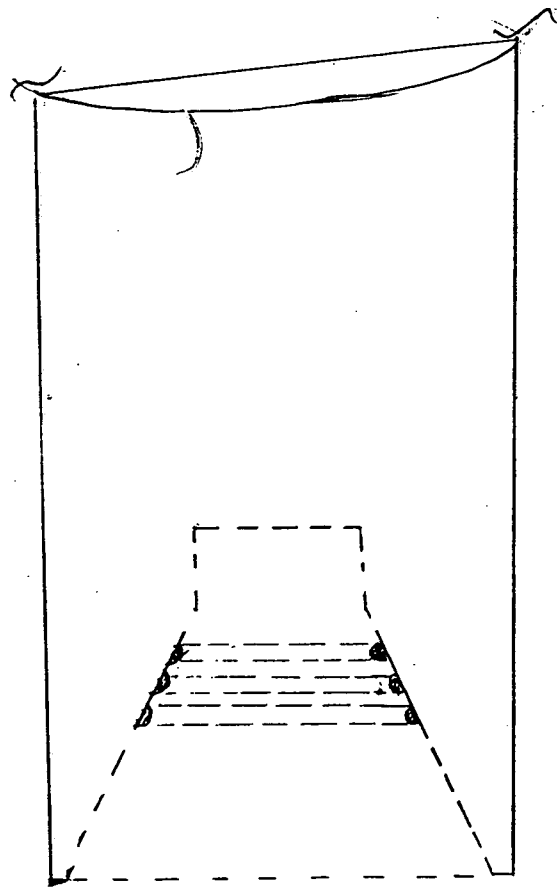


Fig. B(2)

